

Appl. No.: 10/068,320
Amtd. Dated: August 23, 2004
Reply to Office Action of February 24, 2004
Atty. Docket: ZI154-02121

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (currently amended) A closure container combination apparatus with a tamper indicating band arrester, comprising:

a closure having a top wall and skirt depending from a peripheral edge of said top wall;

said skirt having a thread extending radially inward from an inner surface thereof;

a tamper indicating band releasably connected to said skirt by a plurality of frangible webs;

an annular step extending inwardly from an inner surface of said tamper indicating band;

a tamper indicating bead extending radially inwardly from said tamper indicating band, said bead positioned axially below said annular step and having a substantially horizontal upper surface and inhibiting lateral force components;

a corresponding container with a container neck and a finish bead having an upper portion defined by a first diameter and a lower portion defined by a second diameter each extending about said container neck, said first diameter and said second diameter joined by a finish bead transition surface extending radially outward from said upper portion to said lower portion, and said neck bead having a substantially horizontal lower surface extending from said neck;

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said annular step operably engaging said lower portion of said finish bead; and,
said tamper indicating bead being positioned below said lower portion of said
finish bead and having a smaller diameter than said lower portion of said finish bead.

2. (canceled)
3. (canceled)
4. (canceled)
5. (previously presented) The closure apparatus with a tamper indicating band arrester of claim 1 further comprising a knurled finish on an outer surface of said skirt.
6. (currently amended) The closure apparatus with a tamper indicating band arrester of claim 1 ~~further comprising a, wherein said~~ frangible webs are adjacent with an upper portion of said finish bead.
7. (previously presented) The closure apparatus with a tamper indicating band arrester of claim 1 further comprising a rotary seal depending downwardly and inwardly from said top wall and extending upwardly and outwardly from said skirt.
8. (currently amended) A closure-container combination with a tamper indicating band arrester, comprising:
 - a closure having a top wall and a skirt depending from a peripheral edge of said top wall;
 - said skirt having a thread extending radially inward from and helically about an inner surface thereof;
 - a tamper indicating band frangibly connected to a lower edge of said skirt by a

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plurality of frangible webs;

 said tamper indicating band arrester having an annular step;

 a tamper indicating bead extending radially inward from said tamper indicating band, said tamper indicating bead having an upper surface being substantially horizontal and substantially perpendicular to an inner surface of said tamper indicating band;

 a tamper indicating band transition surface connecting an inner surface of said annular step and an inner surface of said tamper indicating band;

 said plurality of frangible webs located above said annular step;

 said plurality of frangible webs adjacent said upper portion of said finish bead; and,

 said tamper indicating bead having a tapered wall connecting an inner surface of said tamper indicating bead to an inner surface of said tamper indicating band; and

a corresponding container having an open end and an annular neck bead below said open end, said neck bead having a substantially horizontal lower surface extending from said neck:

wherein said annular step of said tamper indicating bead is in interfering relationship with said neck bead.

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (currently amended) A closure and container combination, comprising:

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a closure having a top wall and skirt depending from a peripheral edge of said top wall;

said skirt having a thread extending radially inward from an inner surface thereof;

a tamper indicating band frangibly connected to said skirt by a plurality of frangible webs;

said tamper indicating band having an annular step extending radially inwardly from an inner surface of said tamper indicating band;

a tamper indicating bead extending radially inwardly from said tamper indicating band, said tamper indicating bead positioned axially below said annular step and having a substantially horizontal upper surface and inhibiting lateral force components;

a container having an open end and an annular neck bead below said open end;

said neck bead having an upper portion with a substantially vertical wall of a first diameter and a lower portion with a substantially vertical wall of a second diameter, said upper and lower portions having a neck bead transition extending radially outwardly from said upper portion to said lower portion, and said neck bead having a substantially horizontal lower surface extending from a neck of said container;

said annular step of said tamper indicating band in interfering relationship with said lower portion of said neck bead.

14. (original) The closure container combination of claim 13, said tamper indicating bead being positioned below said annular step and having a smaller diameter than said annular step.

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15. (original) The closure and container combination of claim 13, said container neck bead comprising an upper and a lower portion.
16. (original) The closure and container combination of claim 15, said container neck bead upper portion having a smaller diameter than said container neck bead lower portion.
17. (original) The closure and container combination of claim 13, further comprising a knurled finish on an outer surface of said skirt.
18. (original) The closure and container combination of claim 13, wherein said plurality of frangible webs are located above said annular step and adjacent said upper portion of said finish bead.
19. (original) The closure and container combination of claim 13, wherein said plurality of frangible webs are located adjacent said upper portion of said neck bead.
20. (original) The closure and container combination of claim 13, said tamper indicating bead having at least one tamper indicating bead transition on said inner surface of said tamper indicating band.
21. (currently amended) A closure apparatus with a tamper indicating band arrester, comprising:
 - a closure having a top wall and a skirt depending from a peripheral edge of said top wall;
 - said skirt having a thread extending radially inward from an inner surface thereof;
 - a tamper indicating band frangibly connected to said skirt by a plurality of frangible webs;

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a corresponding container having a neck, a thread, and a container finish bead;
said container finish bead having an upper portion and a substantially horizontal
lower portion extending from said neck;

said tamper indicating band having an annular step, said annular step having a
smaller diameter than a lower portion of a finish bead and being positioned above said
lower portion of said finish bead;

said plurality of frangible webs extending from an upper surface of said annular
step;

a tamper indicating band extending radially inwardly from said tamper indicating
band;

said tamper indicating band positioned axially below said annular step and having a
substantially horizontal upper surface and inhibiting lateral force components.

22. (previously presented) The closure apparatus with a tamper indicating band arrester
of claim 21 further comprising at least one tamper indicating band transition depending
from an inner surface of said annular step and below said frangible web.

23. (canceled)

24. (previously presented) A closure and container combination, comprising:

a closure having a top wall and skirt depending from a peripheral edge of said top
wall;

said skirt having a thread extending radially inward from an inner surface thereof;
a tamper indicating band frangibly connected to said skirt by a plurality of

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frangible webs;

 said tamper indicating band having an annular step extending radially inwardly from an inner surface of said tamper indicating band, said plurality of frangible webs extending from an upper surface of said annular step;

 a tamper indicating bead extending radially inwardly from said tamper indicating band, said tamper indicating bead positioned axially below said annular step and having a substantially horizontal upper surface and inhibiting lateral force components;

 a container having an open end and an annular neck bead below said open end, said neck bead having a substantially horizontal lower surface extending from said neck;

 said annular step of said tamper indicating band in interfering relationship with said neck bead.